



Indian Standard

(Reaffirmed 2002)

(Reaffirmed 2012)

SPECIFICATION FOR ANKLE JOINT FOR ORTHOSIS

(Reaffirmed 2017)

(First Revision)

1. Scope — Prescribes dimensional and other requirements for ankle joint for steel orthopaedic braces.

2. Shape and Dimensions — As shown in Fig. 1.

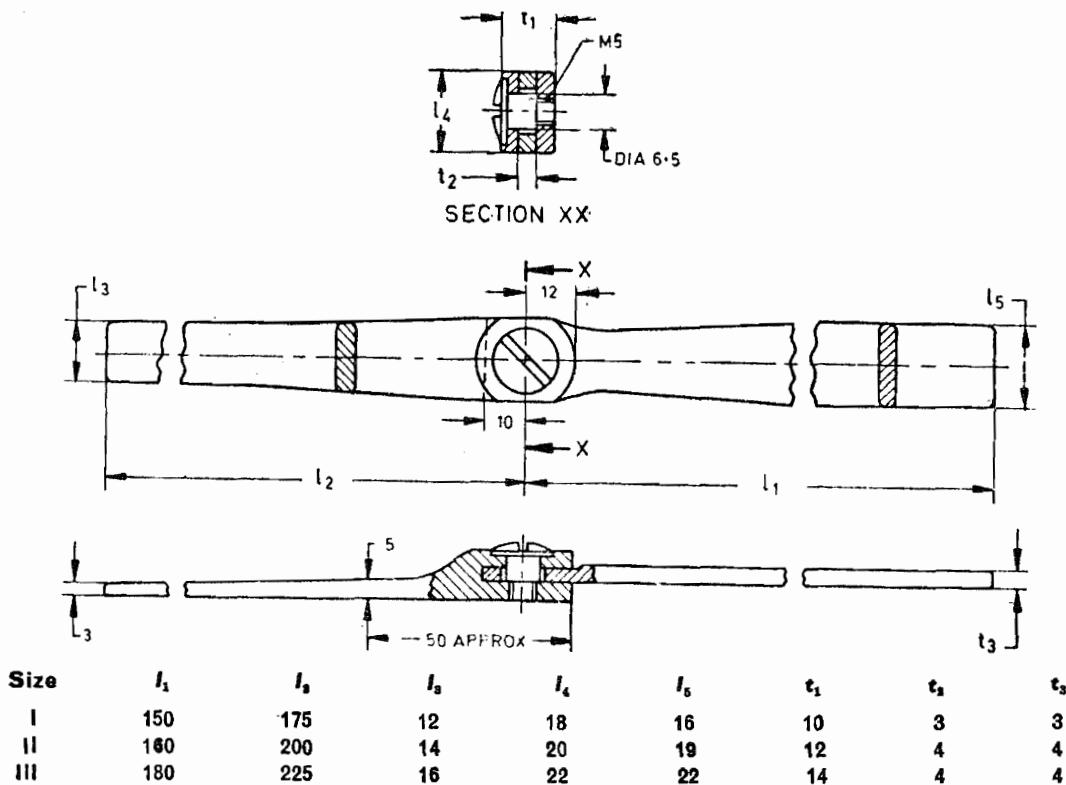


FIG. 1 ANKLE JOINT FOR STEEL ORTHOPAEDIC BRACES

Artificial Limbs Sectional Committee, CPDC 20; Prosthetic and Orthotic Appliances Subcommittee, CPDC 20 : 1 [Ref : Doc : CPDC 20 (1946)]

3. Material — Carbon steel conforming to designation 30C8 or 35C4 of IS : 1570 (Part 2)-1979 'Schedules for wrought steels Part 2 Carbon steels (unalloyed steels) (first revision)'.

4. Workmanship and Finish — The male and female parts of the joint shall be accurately and cleanly machined and the joint faces shall be finished clean and free from toolmarks. Fabrication by welding or brazing shall not be allowed. The joint shall be rigid. The outside surfaces of the joint and the shanks shall be free from forging scales. All sharp edges and corners shall be rounded. The components shall be free from surface flaws and cracks. There shall not be any frictional, jerky or mediolateral movements at the joints.

5. Marking — The joint shall be marked with the following:

- Manufacturer's name, initials or recognized trade-mark; and
- Size of the joint.

5.1 ISI Certification Marking — Details available with the Indian Standards Institution.

6. Packing — As agreed to between the purchaser and the supplier.

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7. Sampling — A sampling scheme and criteria for acceptance shall be as agreed to between the purchaser and the manufacturer; however, a recommended scheme is given below.

7.1 Lot — All the sets of ankle joints of the same type shall be grouped together to constitute a lot. Each lot shall be tested for the requirements of this specification.

7.2 Each set of ankle joints for orthosis shall be examined for shape and dimensions (2) and workmanship and finish (4). All the sets which fail in one or more of the above requirements shall be rejected and only the satisfactory sets of joints shall be accepted.

EXPLANATORY NOTE

In this first revision, the main changes are in Fig. 1 and its dimensions.